

WHAT IS CLAIMED IS:

1. In a dye-donor element for thermal dye transfer comprising a support having on side thereof a dye layer and on the other side a slipping layer, the improvement wherein said slipping layer comprises at least two waxes, a branched alpha-olefin polymer and at least one other wax.
2. The element of claim 1 wherein the other wax is selected from the group consisting of microcrystalline wax, carnauba wax, petronable wax, paraffin wax, candelilla wax and low molecular weight polyethylene.
3. The element of claim 1 wherein the other wax is a saturated hydrocarbon polymer.
4. The element of claim 1 wherein the other wax is a linear low molecular weight polyethylene.
5. The element of Claim 1 wherein the branched alpha-olefin has a number average molecular weight of no more than about 10,000 and a melting point or softening point of no more than about 120°C.
6. The element of Claim 5 wherein the branched alpha-olefin has a number average molecular weight of at least 300.
7. The element of Claim 5 wherein the branched alpha-olefin has a number average molecular weight of 400 to 5000.
8. The element of Claim 5 wherein the branched alpha-olefin has a number average molecular weight of 1000 to 3000.

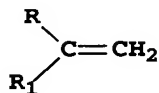
9. The element of Claim 5 wherein the branched alpha-olefin has a melting point or softening point of 35 to 110°C.

10. The element of Claim 5 wherein the branched alpha-olefin has a melting point or softening point of 50 to 100°C.

11. The element of Claim 5 wherein the branched alpha-olefin has a degree of branching of about 4 to about 15.

12. The element of Claim 5 wherein the branched alpha-olefin has a degree of branching of about 5 to about 10.

13. The element of Claim 5 wherein the branched alpha-olefin comprises a polymerized alpha-olefin prepared from alpha-olefins having the formula:



where R is C₆ to C₅₀ alkyl and R¹ is hydrogen or C₆ to C₅₀ alkyl, wherein the polymerized alpha-olefin has a number average molecular weight of 500 to 5000.

14. The element of Claim 1 wherein the other wax is a synthetic wax that is primarily a saturated or unsaturated hydrocarbon.

15. The element of claim 1 wherein the other wax is selected from the group consisting of a mineral wax, a vegetable wax, an animal wax or a synthetic wax that is a saturated or unsaturated hydrocarbon polymer.

16. The element of Claim 1 wherein the ratio of the first wax to the other wax is 5:1 to 1:10.

17. The element of claim 1 wherein the other wax is a saturated hydrocarbon polymer.

18. The element of claim 1 wherein the other wax is a linear low molecular weight polyethylene.

19. In a process of forming a dye transfer image comprising a dye transfer image comprising:

- (a) imagewise-heating a dye-donor element comprising a support having on one side thereof a dye layer and on the other side a slipping layer comprising a lubricating material, and
- (b) transferring a dye image to a dye receiving element to form said dye transfer image, the improvement wherein said lubricating material comprises a comprises a branched alpha-olefin polymer and another wax.

20. In a thermal dye transfer assemblage comprising

- (a) a dye-donor element comprising a support having on one side thereof a dye layer and on the other side a slipping layer comprising lubricating material, and
- (b) a dye receiving element comprising a support having thereon a dye image-receiving layer,

said dye-receiving element being in a superposed relationship with said dye-donor element so that said dye layer is in contact with said dye image-receiving layer, the improvement wherein said lubricating material comprises a branched alpha-olefin polymer and another wax.